

Receiving Report

Date: 13/4/19Batch No: M125343Supplier: THYSSENKRUPPDart P/O: 19578
 Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr

 Release Note Attached: Yes No N/A
 Waybill Attached: Yes No N/A
 Shipment Complete: Yes No N/A
 QC6 Inspection N/A
 Work Order 13.04.20

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
<u>M20241S3.05W</u>		<u>144</u>	<u>0</u>	<u>0</u>	<u>144</u>	
<u>M6061T65.032</u>		<u>288</u>	<u>192</u>	<u>0</u>	<u>96</u>	
<u>M6061T6B1.Way</u>	<u>4</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>24</u>	<u>C</u>

Initials of receiver (if shipment OK) L Level 12

Production/Admin:

Date

Received/Costing

Initial

13/4/19Location

Purchase Order Receipt Listing

Friday, April 19, 2013 10:10:40 AM

All Vendors PO ID PO19526 Receipt Dates from 4/19/2013 to 4/19/2013 All Line Item Types
 All Item ID/GL/WOs All Rec. Employees All Currencies
 Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID Req	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty Recv Emp	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID\Vendor Name											
PO19526	3	VC-COP001	Thyssenkrupp Materials CA Ltd	M2024T3S.063	sf	4/12/2013	4/19/2013	\$3.68	0.0000	0	\$352.99
CAD	No	2024-T3	.063 sheet	sf	96.0000	DESJ02		\$352.99	0.0000	0	
	125341										
4	4	M6061T6S.032	sf			4/12/2013	4/19/2013	\$0.82	0.0000	0	\$158.01
	No	6061-T6	Sheet 0.032"	sf	288.0000	DESJ02		\$158.01	0.0000	0	
	125341										
8	50	M7075T6B6.000X0.2 f				4/15/2013	4/19/2013	\$10.87	0.0000	0	\$271.71
	No	7075-T6	BAR 6.000" X 0.250"		24.0000	DESJ02		\$271.71	0.0000	0	
	125341										
9	00	M7075T6B5.000X1.0 f				4/15/2013	4/19/2013	\$28.30	0.0000	0	\$1,362.86
	No	7075-T6	BAR 5.000" X 1.000"		48.0000	DESJ02		\$1,362.86	0.0000	0	
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											

B I L L O F L A D I N G

No: PEC 817843

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

4
 Ship Date 17Apr13 at 18:01 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0-0 Manifest
 Vhicle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-555273-1 Your PO # 19526

ALUMINUM SHEET 2024-T3

.0800 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
618223A2	170365

Quantity	PCS	Wt LBS
144.00 SFT	3 ✓	166

MTR

2) Our Order PEC-555273-2 Your PO # 19526

ALUMINUM SHEET 2024-T3

.0640 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
65018/01/00	170366

Quantity	PCS	Wt LBS
96.00 SFT	2 ✓	87

MTR

3) Our Order PEC-555273-3 Your PO # 19526

ALUMINUM SHEET 6061 T6

.0320 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
694923	170367

Quantity	PCS	Wt LBS
192.00 SFT	4 ✓	87

MTR

4) Our Order PEC-555273-4 Your PO # 19526

ALUMINUM PLATE 7075-T651

.250" THICK X 6.0000" X 144.5000"

Heat Number	Tag No
Q03391	170369

Quantity	PCS	Wt LBS
12.04 SFT	2. ✓	44

MTR

5) Our Order PEC-555273-5 Your PO # 19526

ALUMINUM PLATE 7075-T651

1.00" THICK X 5.0000" X 144.5000"

Heat Number	Tag No
R01507	170370

Quantity	PCS	Wt LBS
20.07 SFT	4 ✓	300

MTR

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
 RAPPORTEES IMMEDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L

O F L A D I N G

No: PEC 817843

Ship From:
THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 17Apr13 at 18:01 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

	Tags	PCS	LBS
TOTAL:	5	15	684

Heat Number
 694923
 Q03391

*** Chemical Analysis ***

ADD ON TO 555225 SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

TOTAL 2 SKIDS, 1 CUSH, 1 BDL G.W. 954 LBS

ITEM (1) SKID

ITEM (2) SKID

ITEM (3) CUSH

ITEMS (4,5) BDL

CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA CONCORD, ONT. *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE ADDED TO EVERY ORDER.

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
 TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

Constellium Valais SA
CH-3960 Sierre
Suisse

Global Aerospace, Transportation and Industry
Europe - ATI Valais, Sierre and Steg plants
Tel : +41(0) 27 457 51 11
<http://www.constellium.com>



**CONSTELLIUM ROLLED PRODUCTS
RAVENSWOOD, LLC**

US -26164 RAVENSWOOD

INSPECTION CERTIFICATE
According To EN 10204-3.1
Disp. Advice / Cert 0080218154
Date 14/03/2012 Page 1

Your Order	5400122158 012-000329
Project	
Dated	14/09/2011
Our Confirmation No.	134166-70
Customer No.	606281
Sales Contact	Fabienne Salamin, ++41 (27) 457 6432
Certificate Dpt :	41 27 457 66 92

**Aluminium plates in AA7075-T651, mill finish, slightly oiled,
To AMS QQ-A-250/12, ASTM B209-07, AMS 4045/J and SIE0002-05
Alumitex paper interleaved**

Your article : 012-000341

Lot	Production No.	Weight	Quantity	Dimensions
Q03391	6226544	7275.13 Lbs	41	0.250" x 48.50" x 144.50"

Mechanical and technological properties

Sample min-max	Temper T651	Pe-UTS >=78000	Pe-YS >=67000	A1%2inch >=9	HB							

Measured values

Q03391-1	T651	81900	73800	13	177							
Q03391-2	T651	82000	73800	13	177							

Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Tl	Si	
Min			1.2		2.1	.18		5.1			
Max	.40	.50	2.0	.30	2.9	.28	.05	6.1	.20	.40	

Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

20346331	0.07	0.17	1.59	.053	2.44	0.18	.0060	5.76	.023	0.0700	
----------	------	------	------	------	------	------	-------	------	------	--------	--

Remark

This certificate of conformance verifies that the organization took effective control of quality to meet the specified requirements on both the sales order(s) and the customer purchase order(s).

*** COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND ***

Definition of abbreviations on reverse

G. Antille
Inspection Department
Valid without signature 03



From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402414289
CstAr CstOr PEC# 247534
Wgt.: 44.000 LB Date 04/10/2013

COPPER AND BRASS SALES**MATERIAL TYPE****ALUMINIUM ALLOYS****PRODUCT DESIGNATION****2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7****"WARNING"**

SMALL CHIPS, FINE TURNINGS AND DUST MAY IGNITE READILY. EXPLOSION POTENTIAL MAY BE PRESENT WHEN: DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR, CHIPS, FINES, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE. KEEP AWAY FROM IGNITION SOURCE. USE EXPLOSION-PROOF VENTILATION. KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER. INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD), A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS. BERYLLIUM IS A CANCER HAZARD; OVER TIME CBD AND CANCER CAN BE FATAL. TARGET ORGAN IS PRIMARILY THE LUNG. INHALING LARGE AMOUNTS OF COPPER, MAGNESIUM OXIDE, MANGANESE OXIDE, AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS. CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN; AND SKIN, TEETH, AND HAIR DISCOLORATION. CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE, SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES. TARGET ORGAN IS PRIMARILY THE LUNG, BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER. CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS. CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS. OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES, NOSE, AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS. INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER. NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN. EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE. UNDER HIGH TEMPERATURES, HEXAVALENT CHROMIUM MAY BE PRODUCED, IF IN THE INSOLUBLE FORM, IT IS A CONFIRMED HUMAN CARCINOGEN. (CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL, MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT. WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.
READ THE ALUMINIUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

* If processing or recycling produces particulate, use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding, grinding, abrasive sawing, sanding and polishing. Any activity which abrades the surface of this material can generate airborne particulate. Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

* Aluminum, in solid form and as contained in finished products presents no special health risk.

* Sold for manufacturing purposes only. This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales, 22355 West Eleven Mile Road, Southfield, MI 48033, telephone 248-233-5600, or visit our web site @ www.copperandbrass.com.

ThyssenKrupp Materials NA Inc.

A company
of ThyssenKrupp
Services

ThyssenKrupp Materials NA
Copper and Brass Sales Division
West 11 Mile Road 22355
48033 Southfield
Tel.: +12482335700 Fax: +12482335888



Order number	Ord-pos	Del-pos	Part description
Customer PO	PO date	Quantity	Customer Part
MTR header	MTR type	Search criteria	Heat lot
81A/1401510427	000010	900001	7075 Aluminum - T651 Aluminum Non-USI 0.
PEC# 247534	04/09/2013	2.000	ST
Att_001.PDF	ACAP	920746381720130001	Q03391

Delivery number
2402414289

Date
04/09/2013

THYSSENKRUPP MATERIALS NA - ECAD
2821 LANGSTAFF ROAD
CONCORD L4K 5C6
CANADA

Constellium Valais SA

CH-3960 Sierre
Suisse

Global Aerospace, Transportation and Industry
Europe - ATI Valais, Sierre and Steg plants

Tel : +41(0) 27 457 51 11

<http://www.constellium.com>



INSPECTION CERTIFICATE

According To EN 10204-3.1
Disp. Advice / Cert 0080230050
Date 31/01/2013 Page 1

CONSTELLIUM ROLLED PRODUCTS
RAVENSWOOD, LLC

US -26164 RAVENSWOOD

Your Order	7075-6061 plates
Project	
Dated	08/11/2012
Our Confirmation No.	139922-40
Customer No.	606281
Sales Contact	Fabienne Salamin ++41 (27) 457 6432
Certificate Dpt :	41 27 457 66 92

Aluminium plates in AA7075-T651, mill finish, Alumitex paper interleaved
To AMS 4045K, AMS QQ-A-250/12 August 1997, ASTM B209 and SIE0002

Your article : 001-300577

Lot	Production No.	Weight	Quantity	Dimensions
R01507	6235915	5454.15 Lbs	6	1.000" x 60.50" x 144.50"

Mechanical and technological properties

Sample	Temper	Ksi-UTS	Ksi-YS	A%2Inch	HB							
min-max	T651	>=78	>=68	>=7								
min-max												

Measured values

R01507-1	T651	85.3	76.6	12	177		ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: PBE # 347834 CBS Delivery #: 202414258 QTY: 6 Pcs By: <i>[Signature]</i>	Date: 4/10/13
R01507-2	T651	84.7	76.1	12	176			

Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Si
Min			1.2		2.1	.18		5.1		
Max	.40	.50	2.0	.30	2.9	.28	.05	6.1	.20	.40

Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

30153291	0.07	0.22	1.64	0.044	2.49	0.19	0.0056	5.79	0.023	0.0700
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Remark

This certificate of conformance verifies that the organization took effective control of quality to meet the specified requirements on both the sales order(s) and the customer purchase order(s)

*** COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND ***

Definition of abbreviations on demand

Alain Thurre
Inspection Department
Valid without signature 03



CERTIFIED INSPECTION REPORT

Alcoa Inc.

RIVERDALE, IA.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722
Ship From:

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Rob Woodell
Rob Woodell

Director of Manufacturing Davenport Works

Terrence Then
Terrence Then
Quality Assurance Manager

Page 1 of 2

1468552 Ship Date 2012-12-26	0 B.L. No. 7614266	Invoice No. 00000	Alcoa No. 1000429575-7	Item DP-29575-7
P.O. No./Govt Contract No. 5400155547	Lat#: 0010	Customer Alcoa Item C&B	G041099100RR04	

Ship To: COPPER & BRASS SALES INC
905 CARLOW DRIVE
UNIT D
BOLINGBROOK 60490 IL

Item Description

0.032 IN TK (+0.000 -.0025) X 48.0 IN W (+.125 - .125) X 144.0 IN-LN (-.15625 -.15625)-CAT X 063485-7 (N) A/T 6061-

T6 FLAT SHEET FOR DISTRIBUTORS TOLERANCE

GUARANTEED ALFR01643. AMS4027 REV N EXC_MRK

ASTMB209 REV 10 ((MARKED)) KRAFT PAPER

INTERLEAVED MAX GROSS

SKID WT: 4000 LB QUAN TOL +/-30 %

CQR 0214138 REV 04 CUST REQ 12-12-

19 *** W/E 12-12-22 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Numbers
1	479466	694923	3537	175	PC	27888 46921
2	479467	694923	2314	114	PC	27888 46921
3	479475	694923	3458	176	PC	27888 46921
			-----	9309	465	

Notes for CQR: 0214138.4
PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250_11 ORIGINAL REVISION DATED
1997-08-01.

CQR: 0214138.4 - Specification Limits

Temp	Dir	UTS	TYS	BL4D
T6	Long Transv.	Max	KSI	PCT
		Min	42.0	35.0
				10

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS NA ECAD Del.: 2402414585
CstAr
Wgt.: 86.704 LB
CstOr PEC# 247534
Date 04/10/2013

John R. Gambetti

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom

Terrence Thom
Quality Assurance Manager

Page 2 of 2

CQR: 0214138.4 -Specification Limits (cont.)

Chemical Composition	SI	FE	CU	MN	MG	CR	ZN	TI	Each	Total	Aluminum	Other	Other
												REMAIN	
Alloy 6061	Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15		
Lot: 694923	Min	0.40	0.40	0.15	0.15	0.8	0.8	0.04					
	-	Mechanical, Physical, Metallography, Quantometer Results											
	No->	UTS	TYS	ELAD	KSI	KSI	PCT						
Temp:	Dir:	Test:											
T6	Long Transv.	7	49.1	41.4									
			49.6	42.2									
			49	41.4									
			49.1	41.3									
			49.3	41.5									
			49.6	42.2									
			49.2	41.4									

Cast Number	Chemical - OES	SI	FE	CU	MN	MG	CR	ZN	TI
H3569032	Actuals	0.63	0.4	0.27	0.07	1.0	0.17	0.07	0.02

This material was melted in the United States or a Qualifying Country [REF DPARS 225.872.1(a)]; it was manufactured in the United States

From: ThyssenKrupp Materials NA
 Cust. THYSSENKRUPP MATERIALS NA ECAD Del.: 2402414585
 CstAr CstOr PEC# 247534
 Wgt.: 86.704 LB Date 04/10/2013

John J. Gambetti

Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 85271176 01 / 1

Rev.: 2

Seite / page: 1 von / of 3

Datum / date: 2013 04 02

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer: Charleston Aluminum , LLC 480 Frontage Road GASTON SC 29053 USA	Bestell Nr. / order no.: 2166-G
	Datum / date: 2012 04 19
	Auftragsbest. Nr. / order confirm no.: 640628
	Datum / date: 2012 04 23
	Lieferschein Nr. / delivery note: 85271176
	Datum / date: 2012 08 31

Produkt / product	Bedingungen / terms
Form / form: Sheet Werkstoff / material: 2024 Zustand / temper: T3 Dim. / dim.: [Inch]: 0,063x48,00x144,00	Technische Lieferbedingungen / techn. spec.: AMS-QQ-A-250/4A, 09.1998 ASTM B 209 - 10 AMS 4037P, 12.2011 WL 3.1354-1, 12.1987 Cessna CMMPO19, Rev. D, 09-07-01 Cessna CMMPO25, Rev. T, 01-25-10 ABM 1-6015, Issue 2, OCT 2004 AIR9048, 26 December 1978 Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net.	Stk. pcs.
04	65018/01/00	01/0051094/2	2024	6406280003	2409,612 lbs	55
04	65018/01/00	01/0051094/2	2024	6406280004	2407,407 lbs	55

Chemische Zusammensetzung [%] Gewichtsanteile) / Chemical composition [%] weight proportion (OES))											
Guss Nr. / cast no.	material	Si	Fe	Cu	Mn	Mg	Cr	Zn	Tl	Tl+Zr	Others Each
01/0051094/2	2024	-	-	3,8	0,30	1,2	-	-	-	-	-
		0,50	0,50	4,8	0,90	1,8	0,10	0,25	0,15	0,20	0,05
		0,07	0,11	4,3	0,51	1,5	0,00	0,04	0,04	0,04	0,02
		Others Total									
	spec. min.	-									
		0,15									
		0,03									
	spec. max.										
	actual										

Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 85271176 01 / 1

Rev.: 2

Seite / page: 2 von / of 3

Datum / date: 2013 04 02

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Zugprüfung LT / tensile test LT								
BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests		UTS [ksi]	YS [ksi]	A2" [%]	
				spec.min.	63,8	42,1	15	
				spec.max.	-	-	-	
65018/01	T3	LT	7	from	67,0	48,9	17	
65018/01	T3	LT		to	68,0	50,0	18	

Elektr. Leitfähigkeit GM / electr. Conductivity GM						
BNr/Los Lot/No.	Zustand temper	Tests		L / ec [% IACS]	ΔL / Δec per batch [% IACS]	
			spec.min.	-	-	
			spec.max.	32,8	2,6	
65018/01	T3	21	from	30,2	-	
65018/01	T3		to	30,7	0,5	

Sonstige Prüfungen / other tests						
Biegeversuch: OK. / Transverse bend test: OK.						
Maßkontrolle: OK. / Dimensional Check: OK.						
Oberfläche: OK. / Surface inspection: OK.						

Bemerkungen / notes						
Die Dimensionstoleranzen entsprechen ANSI XXX / As standard, dimensional tolerances are to ANSI XXX						

Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 85271176 01 / 1

Rev.: 2

Seite / page: 3 von / of 3

Datum / date: 2013 04 02

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771
Agusta Westland Genehmigung Lieferantennummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, Inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771
Agusta Westland approval supplier code V21275

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werk sachverständiger / factory specialist	E-Mail / e-mail
Klampfer Josef	josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.

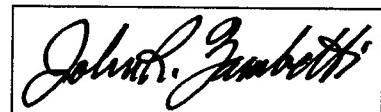
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling
Werk sachverständiger
ROL-Nr. 015



AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich - www.amag.at
AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria - www.amag.at

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402415214
CstAr CstOr PEC# 247534
Wgt.: 87.091 LB Date 04/10/2013



COPPER AND BRASS SALES**MATERIAL TYPE****ALUMINIUM ALLOYS****PRODUCT DESIGNATION****2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7****"WARNING"**

SMALL CHIPS,FINE TURNINGS AND DUST MAY IGNITE READILY.EXPLOSION POTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR,CHIPS,FINES,DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE.KEEP AWAY FROM IGNITION SOURCE.USE EXPLOSION-PROOF VENTILATION.KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER.INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD),A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS.BERYLLIUM IS A CANCER HAZARD;OVER TIME CBD AND CANCER CAN BE FATAL,TARGET ORGAN IS PRIMARILY THE LUNG.INHALING LARGE AMOUNTS OF COPPER,MAGNESIUM OXIDE,MANGANESE OXIDE,AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS.CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN;AND SKIN,TEETH,AND HAIR DISCOLORATION.CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES,NOSE,AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS.INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER.NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF IN THE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN.(CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT.WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.

READ THE ALUMINIUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding, grinding, abrasive sawing, sanding and polishing. Any activity which abrades the surface of this material can generate airborne particulate. Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

* Aluminum, in solid form and as contained in finished products presents no special health risk.

* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033, telephone 248-233-5600, or visit our web site @ www.copperandbrass.com.

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum
 Trentwood Works
 Spokane, WA 99215-5108
 (800) 367-2586

CUSTOMER PO NUMBER:		WORK PACKAGE:	CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
5400162313-50			ALFLR01585-48		Kaiser Stretched			
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:			
1145041	5	12/06/2012	2024	BARE	T3			
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	GAUGE:	WIDTH:	LENGTH:			
3104 LB	55 PCS EST.	2040022	0.0800 IN	48.000 IN	144.000 IN			
SHIP TO:			SOLD TO:					
COPPER & BRASS SALES 404 CENTURA COURT SPARTANBURG, SC 29303 US			COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US					

MHU 1641000: LOT 618223A2: 55 pieces

Certified Specifications

AMS 4037/RevP AMS-QQ-A-250/4/RevA ASTM B 209/Rev10 CMMP 019/RevD CMMP 025/RevU

Test Code: 1504

Test Results:

LOT: 618223A2 CAST: 593 DROP: 22 INGOT: 3

Melted in USA
 (ASTM E8/B557)
 (EN 2002-1)

Tensile: Temper	Dir/#Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
T3	LT / 02 (Min:Max)	64.8 : 65.6	42.5 : 44.6	19.8 : 19.9
		(447 : 452)	(293 : 308)	

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.08	0.19	4.6	0.60	1.4	0.01	0.18	0.02	0.01	0.01	TOT 0.03

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
2024	MIN 0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	MAX 0.05
	MAX 0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT 0.15
	Aluminum Remainder										

Plant Serial: 4283555

Kaiser Order Number: 1145041

Line Item: 5

Page 1 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402415162

CstAr

CstOr PEC# 247534

Wgt.: 165.888 LB

Date 04/10/2013

KAISER

ALUMINUM

FABRICATED PRODUCTS

Kaiser Aluminum
Trentwood Works
Spokane, WA 99215-5108
(800) 367-2586

Beth in
July

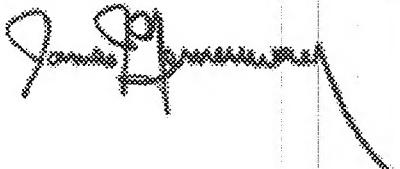
CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 232.225 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specifications as indicated herein. For materials thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law. ISO-9001:2000 certified.

JAMES HEMENWAY, LABORATORIES SUPERVISOR



Plant Serial: 4283555
Kaiser Order Number: 1145041
Line Item: 5

Page 2 of 2

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402415162
CstAr CstOr PEC# 247534
Wgt.: 165.888 LB Date 04/10/2013





Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO19526

Purchase Order Date 4/09/13

PO Print Date 4/09/13

Page Number 1 of 3

Order From :

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

VC-COP001

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie

Requisition Nbr

10127-2607

Tax Resale Nbr

Net 30

Terms

CAD

Currency

Destination-Collect

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REvised \$

M125341

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M5052H32S.063	5052-H32 .063 Sheet	4/12/13	✓ 128.00 Yes sf	Yours ppd	\$1.8125	\$232.00
2	M2024T3S.080	2024-T3 .080 sheet	4/12/13	✓ 144.00 Yes sf	Yours ppd	\$4.5328	\$652.72
3	M2024T3S.063	2024-T3 .063 sheet	4/12/13	✓ 96.00 Yes sf	Yours ppd	\$3.7356	\$358.62

Special Inst: MATERIAL: 5052-H32 ALUMINUM
SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR
AMS 4016
OR ASTM B209

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET
QQ-A-250/4 OR AMS-QQ-A-250/4 OR
AMS 4037
OR ASTM B209

PO Instructions: NO: PEC ST-549941 / NO: PEC ST-554447

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 4

Change Date: 4/09/13



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO19526**

Purchase Order Date 4/09/13

PO Print Date 4/09/13

Page Number 2 of 3

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB Destination-Collect

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET
QQ-A-250/4 OR AMS-QQ-A-250/4 OR
AMS 4037
OR ASTM B209

4	M6061T6S.032	6061-T6 Sheet 0.032"	4/12/13	288.00	Yours ppd	\$0.8361	\$240.80
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sf 192 / 3/13/4/19 4848

Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B209

5	M6061T6B2.500X03.500	6061-T6 Bar 2.50 x 3.50	4/12/13	12.00	Yours ppd	\$19.4750	\$233.70
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f

Special Inst: MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

6	M6061T6B0.750X03.000	6061-T6 Bar .750 x 3.00	4/12/13	12.00	Yours ppd	\$5.0667	\$60.80
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f

Special Inst: MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

SP 13-4-12

PO Instructions: NO: PEC ST-549941 / NO: PEC ST-554947

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 4

Change Date: 4/09/13



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO19526

Purchase Order Date 4/09/13

PO Print Date 4/09/13

Page Number 3 of 3

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	Destination-Collect

7	M6061T6B1.000X04.000	6061-T6 Bar 1.00 x 4.00	4/12/13	48.00	Yours ppd	\$8.9458	\$429.40
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rec'd 24 FT

SP 13-4-12

Special Inst: MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

8	M7075T6B6.000X0.250	7075-T6 BAR 6.000" X 0.250"	4/15/13	24.00	Yours ppd	\$11.0417	\$265.00
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f 26 / 13/13

Special Inst: MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12
CUT FROM PLATE

9	M7075T6B5.000X1.000	7075-T6 BAR 5.000" X 1.000"	4/15/13	48.00	Yours ppd	\$28.7500	\$1,380.00
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48.16 / 13/13

Special Inst: MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12
CUT FROM PLATE

PO Total: \$3,853.04

PO Instructions: NO: PEC ST-549941 / NO: PEC ST-554947

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 4

Change Date: 4/09/13